

PLATTSBURGH AIR FORCE BASE,
NONDESTRUCTIVE INSPECTION SHOP
(Plattsburgh Air Force Base, Building No. 2802)
Arizona Avenue
Plattsburgh
Clinton County
New York

HAER No. NY-326-X

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD

National Park Service
Northeast Region
Philadelphia Support Office
U.S. Custom House
200 Chestnut Street
Philadelphia, Pennsylvania 19106

HISTORIC AMERICAN ENGINEERING RECORD

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HAER No. NY-326-X

Location: Arizona Avenue, Plattsburgh, Clinton County, New York

UTM: 18.622140.4946080
Quad: Plattsburgh, NY-VT, 1:24,000 (1966)

Date of Construction: 1956

Architect/Engineer: Unknown

Present Owner: United States Air Force

Present Use: Vacant

Significance: Building No. 2802 provided space for field-level nondestructive inspection of aircraft components. The Nondestructive Inspection (NDI) Shop investigated the quality, integrity, properties, and dimensions of materials and their components without damaging or impairing their serviceability by use of optic, penetrant, magnetic, eddy current, ultrasonic, radiographic, infrared, ultraviolet, and spectrometric devices. The NDI Shop could be housed in any existing building that could be modified to provide air conditioning, adequate ceiling heights, and one room of not more than 600 square feet for the X-ray exposure room (the X-ray room required radiation shielding).

Project Information: Building 2802 at Plattsburgh Air Force Base (AFB) is being documented in accordance with HAER standards to mitigate for the potential adverse effects of transferring deed of title to the property from federal ownership. The property transfer is a result of the disposal and reuse of Plattsburgh AFB, pursuant to the Defense Base Closure and Realignment Act of 1993. The mitigation is a stipulation of a Programmatic Agreement (PA) among the U.S. Air Force, the New York State Historic Preservation Officer, and the Advisory Council on Historic Preservation (October 2000).

Michael Pumphrey
Deborah Dobson-Brown
Earth Tech, Inc.
1461 East Cooley Drive
Colton, CA 92324

Summary Description of Nondestructive Inspection Shop (Building 2802)

Layout

Building No. 2802 is a 4,027 square-foot, one-story, brick building with a nearly flat roof. This building originally had a rectangular plan measuring 80'-0" x 40'-0". However, two vehicle bay additions now give the building more of a U-shaped plan.

Alterations/Additions

In 1971, two brick veneer vehicle bays (18'-0" x 30'-0" and 21'-4" x 13'-0") were added to the north façade. Both vehicle bays have overhead garage doors. Several doorways on the east and south facades have been infilled with brick.

Function

Initially used as the Ordnance Control Point Operations, this type of facility is required at Air Force bases that administer sufficiently large amounts of ordnance material that a control point adjacent to the flightline is necessitated. In 1968, the building's utilization code was changed to Nondestructive Inspection Lab. Its utilization was later changed again, and it was last used at the Nondestructive Inspection Shop. This type of shop is required to provide space for field-level nondestructive inspection of air components.

Significance

Nondestructive inspections of aircraft components were a support service vital to preventing flight accidents and keeping the Strategic Air Command (SAC) aircraft in good operating order and in a state of constant readiness. Because this mission required a building type that was readily adaptable to changes in its usage, Building No. 2802 was important to the overall Plattsburgh AFB Cold War mission.

Sources

United States Air Force

1962 Plattsburgh AFB Real Property Accountable Record, 1961-1989.

U.S. Department of the Air Force, Air Force Center for Environmental Excellence.

1998 *Draft Historic Building Inventory and Evaluation Plattsburgh Air Force Base New York*,
Volumes I and II, June.

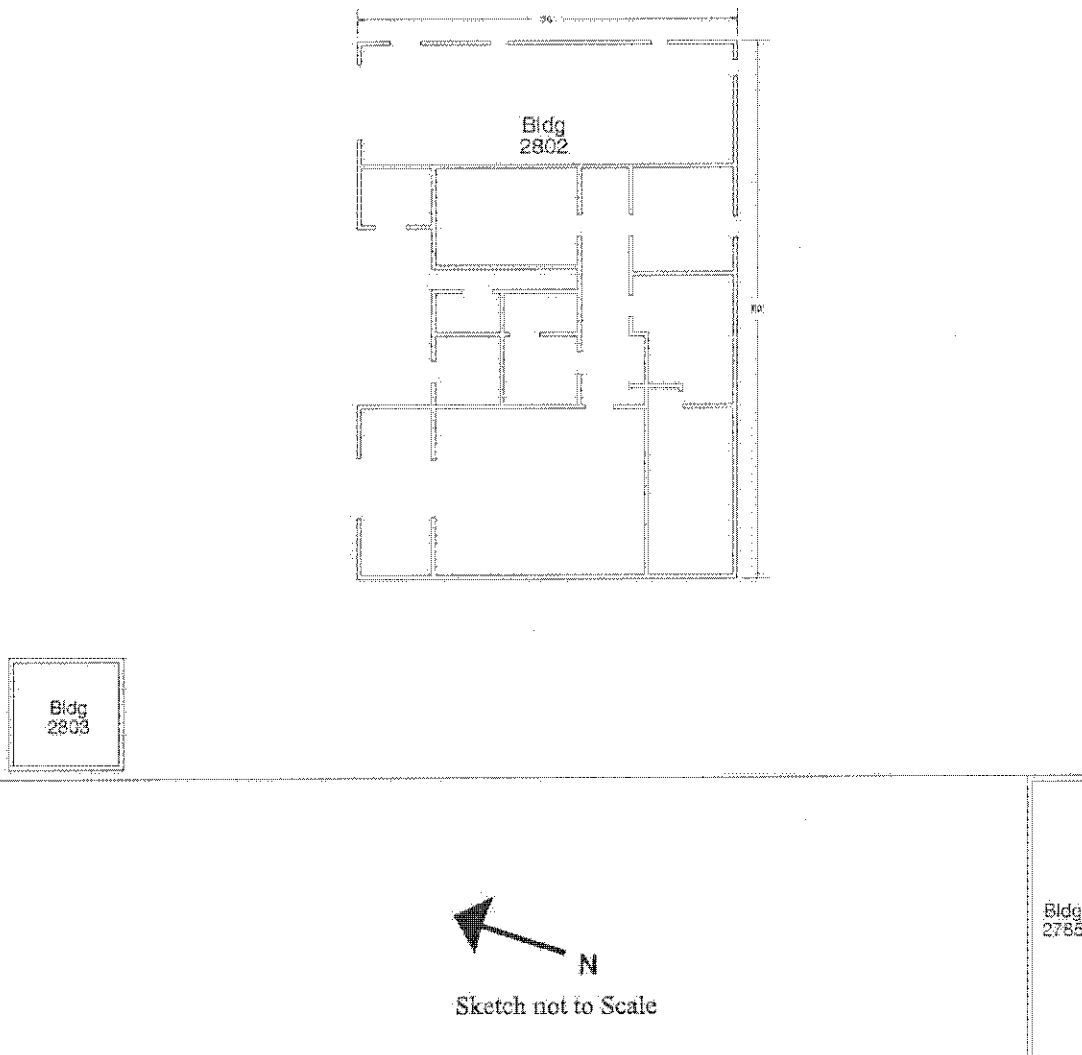
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Location Map for Nondestructive Inspection Shop Building, Building No. 2802
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Arizona Avenue



SKETCH PLAN - NONDESTRUCTIVE INSPECTION SHOP
(Plattsburgh Air Force Base, Building No. 2802)
(Source: Plattsburgh AFB CAD File, Prepared by the United States Air Force, ca 2000)
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